ZANUSSI

LAVADORAS AUTOMATICAS

WASHING MACHINES

FLS 468 C

INSTRUCCIONES
INSTRUCTIONS

35.292.573 0

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About the symbols

The following symbols will guide you in the reading of this instruction book.

⚠ Important information concerning the safety in the use of your machine

i Information for correct use of your machine and to obtain the best performance

Important information concerning environment protection

Our contribution to the protection of the environment:
We use recycled paper.

⚠ WARNINGS

THESE WARNINGS ARE PROVIDED IN THE INTEREST OF SAFETY. YOU MUST READ THEM CAREFULLY BEFORE INSTALLING OR USING THE APPLIANCE.

It is most important that this instruction book should always be at hand for the user for reference. Should the appliance be sold or transferred to another owner, or should you move house and leave the appliance, always ensure that the book is left with the appliance in order that the new owner can get to know the functioning of the appliance and the relevant warnings.

CHECK THE APPLIANCE UPON RECEPTION AND SHOULD ANY DAMAGE BE OBSERVED CALL YOUR DISTRIBUTER BEFORE YOU MAKE IT WORK.

- Children must not be allowed to tamper with the controls or play with the product.
- The appliance is heavy. Care should be taken when moving it. Do NOT hold onto the controls.
- All packing and transit bolts must be removed before use.
- Serious damage can occur to the product and to property if this has not been adhered to. See relevant section (unpacking) in the instruction booklet.
- The washing machine must be unplugged when removing the interior transit bolts. Do not plug in the appliance before finishing the removal of the transit bolts and the fixing of the caps in the holes where the security bolts were.
- If the appliance is to stand on a carpeted floor make sure that there is space between the carpet and the supporting feet of the appliance for the air to circulate freely around.
- Any electrical and/or plumbing work required to install this appliance should be carried out by a qualified electrician and/or plumber or competent person.
- It is dangerous to alter the the specifications or attempt to modify this product in any way.
- Care must be taken to ensure that the appliance does not stand on the electrical supply cable.
- Only wash fabrics which are designed to be machine washed. If in doubt, consult the manufacturer of that item.
- Before washing ensure that all pockets are empty and buttons and zips are fastened.
- Any objects such as coins, safety pins, nails, screws, stones or any other hard, sharp material can cause extensive damage and must not be placed into the appliance nor left in the pockets.
- Avoid washing frayed or torn articles and treat stains such as paint, ink, rust, and grease before washing.
- Garments which have been in contact with volatile petroleum products should not be machine washed. If volatile cleaning fluids are used, care should be taken to ensure that the garment is dry before placing it in the washing machine.
- Wash small items such as socks, laces, washable belts , etc. in a washing bag or pillow case as it is possible for such items to slip down between the tub and the inner drum.
- Only wash the advised quantity of delicate fabrics. Damage to the fabric can ensue if you over-fill. Refer to the manufacturer's recommendations of quantities.
- Do not overload the appliance, see the relevant WASHING PROGRAM section .
- Pets have been known to climb into washing machines. Please check your drum before use.
- The glass door becomes very hot during the wash cycle. Keep children away from the appliance while it is in operation.
- Before opening the door look through the "window" to check if the water has drained. Should there be water do not open before draining. If in doubt read section "INSTRUCTIONS FOR USE".
- Always unplug the appliance and turn off the water after use.
- Leave the porthole slightly ajar between washes to preserve the door seal.
- Unplug the appliance before cleaning.
- This product must be serviced by an authorised Service Centre, and only genuine spare parts should be used. Do not try to repair the appliance yourself.
- Repairs carried out by inexperienced persons may cause injury or serious malfunctioning of the machine. Contact your local Service Centre. Always insist on genuine spare parts.

TECHNICAL SPECIFICATIONS

DIMENSIONS	Width	60 cm
	Height	85 cm
	Depth	55 cm
ELECTRICAL CONNECTION	Voltage	220V 50Hz
	Max.Power Absorbed	2.200 W(10A)
WATER PRESSURE	Minimum	5N/cm^2
	Maximum	80N/cm^2
MAXIMUM RECOMMENDED LOAD	Cotton, Linen	4,5 kg
	Synthetics delicate fabrics	2 kg
	Wool	1 kg
SPIN SPEED		
	Maximum	400 r.p.m.

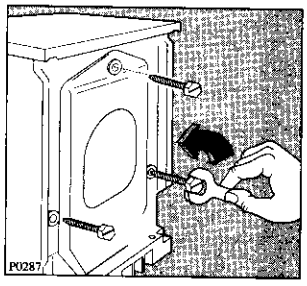
CE This appliance marked "CE" complies with the directives:
-89/336/CEE on electro magnetic compatibility.
-73/23/CEE on electric material designed to be used with certain power limits.

Installation

Transit security bars

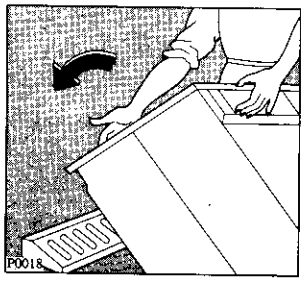
⚠ Before starting the machine up, **the transport security bars must be removed** as follows:
You are advised to keep all the transport security bars in case the appliance has to be transported again.

Unscrew and remove the three rear screws by means of a key.

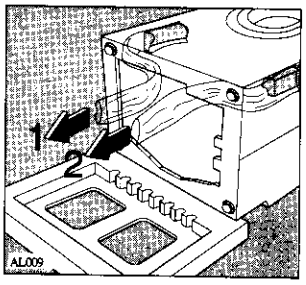


Lean the appliance back on the rear and fit one of the polystyrene angles between the appliance and the floor.

Make sure the hoses are not squashed.



Carefully remove the plastic bags on the right and the left, pulling them to the centre of the appliance.



Place the machine in an upright position and remove the three plastic bolts. (Fig. 4).

Plug the 3 holes with the plastic plugs which you can find in the envelope containing the instruction booklet. (Fig. 5).

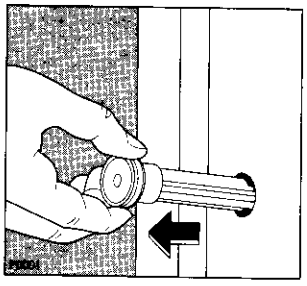


Fig. 4

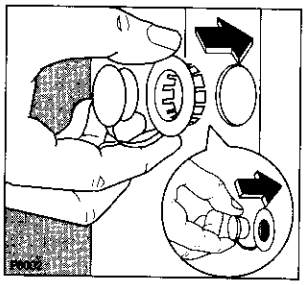
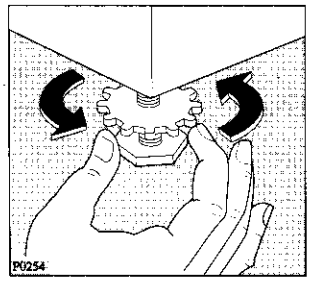
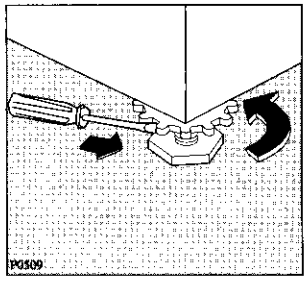


Fig. 5

Levelling

Level the appliance by loosening or tightening the feet. Once in the right position fix the feet by pushing the nuts against the base of the case. Accurate levelling will prevent vibration, noise and displacement of the appliance during operation.
Some vibration is inevitable, especially if placed on a wooden floor. Wooden floors are particularly susceptible to vibrations. For advice, consult a builder. If posible always place the appliance on a solid floor.





Hydraulic connection

There should be a **COLD WATER** tap near the washing machine with a screwing on connection pipe of 3/4 gas for the water supply, a sink, a wash basin or a drainage system in the wall.

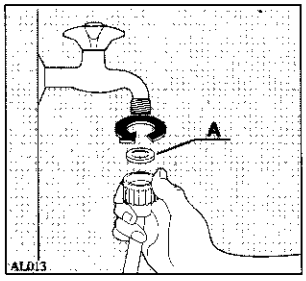
Previously check if:

— it is not a hot water tap.

— the running water is clean. If not, run off a reasonable amount of water to flush out any debris that may have collected in the pipes.

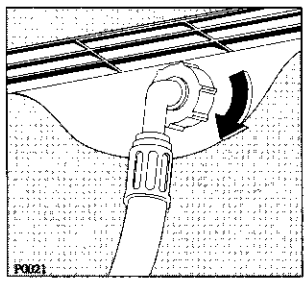
Have the permanent drainage system in the wall checked by a plumber.

Place the enclosed rubber joint, delivered in a plastic bag together with the appliance (A), at the very end of the inlet hose and carefully screw the pipe to the tap taking care not to damage the screwdrive and fix the nut well on to the end in order to avoid leaking.

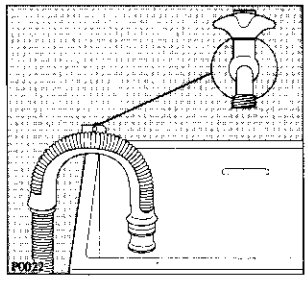


If necessary turn the hose adequately by unscrewing the nut at the rear of the appliance.

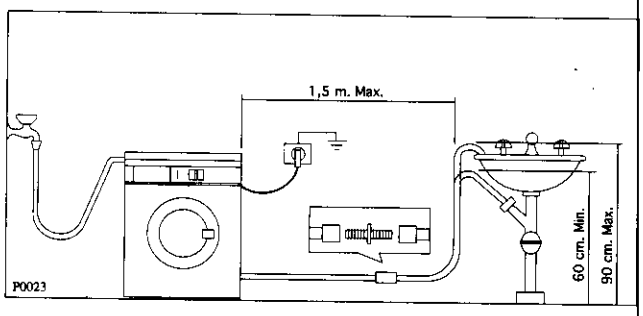
Now retighten the nut to avoid leaks. (Open the tap and assure that it does not leak and close it again.)



Place the discharging hose in a washbasin or sink with the aid of the bent piece delivered separately. The bent piece has to be entered into the tube's mouth in order to assure the support. This piece allows the hose to be fixed to the wall by means of an opening on the upper part and that way the hose does not move and its falling is avoided.



IMPORTANT: The distance from the floor to the highest part of the hose should be between 60 to 90 cm. (It is advisable to be between 60 and 70 cm). The hose must not be bent nor twisted to avoid clogging. Should a extension of the discharging hose be unavoidable this must never surpass 1.5 m and must be of the same diameter as the original hose.
Make sure the hoses are not too tense.



Electrical connections

The applicable rules for electrical security require an adequate earthing. The plug of the appliance is provided with such a device.

Make sure your socket outlet is provided with an adequate earthing too.

The manufacturer declines any liability in case of accidents or incidents should these safety measures not be observed.

Before plugging in the appliance make sure that:

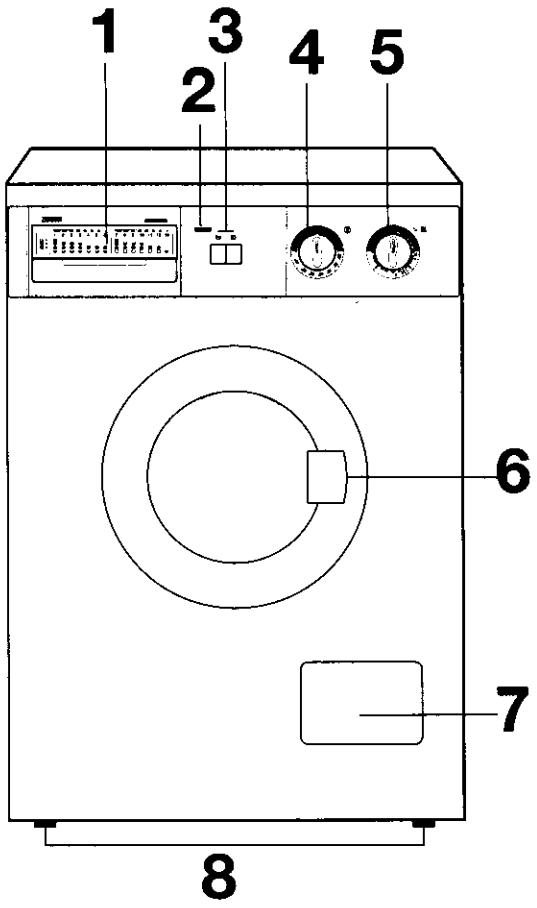
1° the mains of your installation are the same as on the rating plate of your appliance (the plate is stuck to the rear of the appliance).

2° The meter, the fuses, the wiring and the socket outlet can support the max. power absorbed stated on the rating plate.

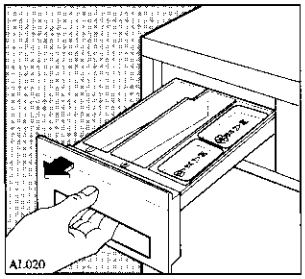
3° The socket base and the plug must fit in adequately without any reducing interposition, multiple outlets or adapters. If necessary replace the socket outlet by an adequate one.

(Never touch the washing machine or any electric appliance while standing on a wet floor or being barefoot.)

1 Detergent dispenser drawer
2 On/off lamp
3 Option buttons
4 Temperature selector
5 Program selector
6 The door
7 Filter
8 Adjustable feet



Detergent dispenser drawer

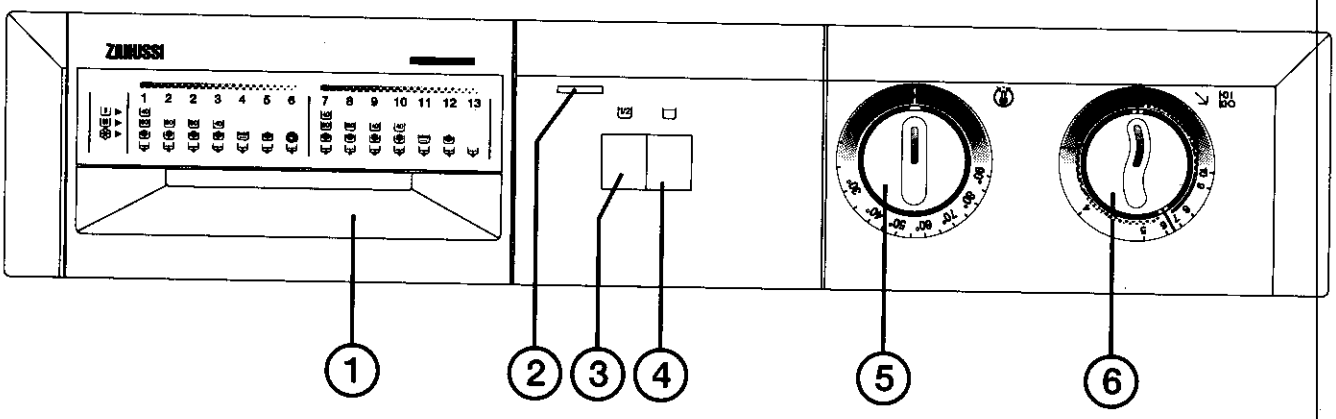


Symbols

Prewash
Wash
Fabric softener
Bleach

DESCRIPTION OF THE CONTROLS

Control panel



1. Detergent dispenser drawer

The dispenser is provided with 4 compartments marked with the following symbols:

Prewash: symbol shows the compartment for the prewash detergent.

Wash: symbol shows the compartment for the washing detergent.

Fabric softener: symbol shows the compartment for the softening agents.

Bleach: symbol shows the compartment for the bleaching agents.

2. On/off lamp

It lights up when the appliance is operating.

3. 1/2 load button

(only for programmes 1 to 4)

Pressing this button before starting the intense program there will be one rinse less which leads to energy and water saving.

4. Rinse hold button

(only for programmes 7 to 12)

Pressing this button together with the programs for delicate fabrics, the water will remain in the wash tub at the end of the cycle. Press again to drain the water and take out the clothes.

5. Temperature selector

This control allows you to select the temperature of the washing cycle in accordance with the kind of clothes to be washed.
Turn the control until the required temperature coincides with the marker.
On the program table you will find the most appropriate temperature for each kind of washing. Selecting this for any program will be run with cold water. This will ensure savings in electricity consumption.

6. Program selector

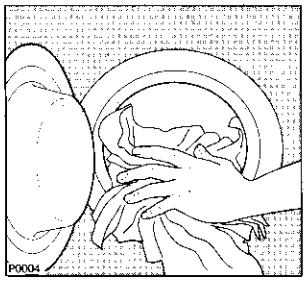
To select the required program turn the control clockwise until the marker on the top coincides with the number of the required program (reference mark on the control panel). If at any chance you pass by the required number **NEVER TURN THE CONTROL COUNTERCLOCKWISE** just continue clockwise until the required number is reached again.

OPERATING SEQUENCE

Before executing the first wash with clothes we recommend to carry out the cleaning of the drum and the barrel by a special wash, without clothes.

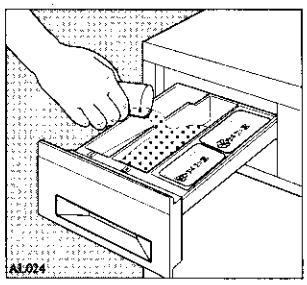
1. Pour a dose of detergent in the tray compartment corresponding to "Wash".
2. Choose a program of 40° (Cotton, delicate colours).
3. Pull out the program selector. The on/off lamp will go on and the wash will begin.
4. After the wash is finished the light will go off. Wait, at least, three minutes, after the light goes off, before opening the door of the washing machine.

1. Loading the washing machine



Load the laundry loosely, alternating large items with small ones.
Do not overload the washing machine, but always try to use its fullest capacity in accordance with the type of fabric. Reduce the quantity when washing very dirty or fluffy laundry.
Once the machine is working and you wish to add any item you must stop the program.

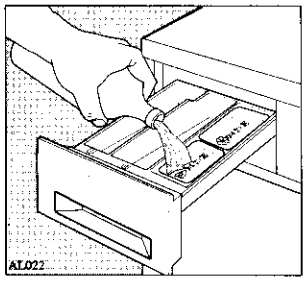
2. Detergent dosage



Pull the handle to open the dispenser. Pour the recommended quantity of detergent into compartment.

For prewash use compartment I.

3. Agents dosage



If you wish to use agents pour the fabric softener into the compartment with the symbol ❀ and the bleach into the compartment with the symbol ⧋ Never exceed the MAX level.

4. Select the temperature

Turn the dial clockwise to the desired temperature.

5. Select the program

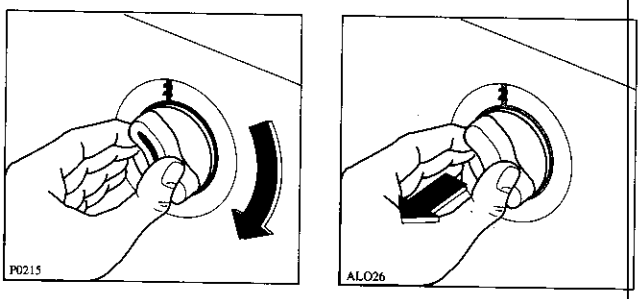
Turn the dial clockwise until the marker reaches the desired program.

6. Start

Before pulling the program selector check if:

- The door is properly closed.
- The appliance is plugged in.
- The water supply tap is turned on.
- The drain filter is tight.
- The drain hose is adequately positioned.

Pull the program selector towards you till it clicks. The on/off lamp comes on and the program will begin.



7. Stop

The washing machine stops automatically once the cycle is finished, the on/off lamp goes off. **Open the door 3 minutes after the end of the program to give the safety device time to unlock.**

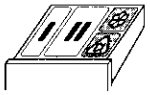
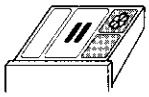
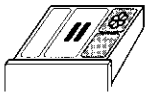
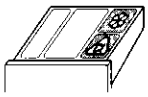
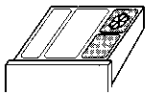
Push the program selector in, close the tap, and unplug the appliance. Leave the door ajar for a few minutes for the steam to get out.

⚠ **IMPORTANT REMARK:** This appliance is provided with a security device to avoid opening during the cycles. Open it only when absolutely necessary and wait 3 minutes after you have stopped the machine to give the safety device time to unlock.

PROGRAMS

Programs for cotton and linen

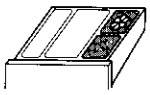
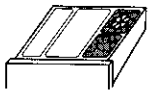
Recommended load: max. 4,5 kg.

PROGRAM	DEGREE OF SOIL	COMPARTMENTS TO USE	MAXIMUM WATER TEMP.	PROGRAM POSITION	DESCRIPTION
WHITES with prewash	heavy soil		**90**	**1**	Prewash Wash at 90°C 4 rinses Spin
WHITES without prewash	normal soil		**90**	**2**	Wash at 90°C 4 rinses Spin
FAST COLOURS	normal soil		**60**	**2(•)**	Wash at 60°C 4 rinses Spin
NON-FAST COLOURS	normal soil		**40**	**3**	Wash at 40°C 4 rinses Spin
RINSES				**4**	4 rinses Spin
AGENTS SOFTENER				**5**	Load agent 1 rinse Spin
SPIN				**6**	Drain water Spin 2,5 min.

(•) This 60° programme is the reference programme for the Energy label according to the article 2, paragraph 1 of the EEC. Directive 92/75.

Programs for synthetics, mixed and wool

Recommended load: max. 2 kg (wool max. 1 kg.)

PROGRAM	DEGREE OF SOIL	COMPARTMENTS TO USE	MAXIMUM WATER TEMP.	PROGRAM POSITION	DESCRIPTION
MIXED FABRICS	heavy soil		**60**	**7**	Prewash at 30°C Wash at 60°C 3 rinses Water drain
NON-FAST COLOURS	normal soil		**60**	**8**	Wash at 60°C 3 rinses Water drain
SYNTHETICS DELICATES	normal soil		**40**	**9**	Wash at 40°C 3 rinses Water drain
WOOL SILK	normal soil		**40**	**10**	Wash at 40°C 3 rinses Water drain
RINSES DELICATES				**11**	3 rinses Water drain
AGENTS SOFTENER				**12**	Load agent 1 rinse Water drain
DRAIN				**13**	Drain water drum stands still

WASHING HINTS

Sort the laundry according to the type of fabric, colour fastness and how dirty it is.

When washing curtains remove the hooks.

It is essential to wash new coloured items separately when washing them for the first time.

When washing fabrics requiring different wash temperatures together , always select the lowest one.

White items should NOT be washed with coloured ones.

For wool use gentle detergents only in small quantities. Only wool marked 'PURE NEW WOOL WASHABLE PRESHRUNK' can be washed in the machine using the wool program; other types of wool should be washed by hand or dry cleaned.

Some stains such as fruit, wine, grass, rust, blood, etc. are difficult to remove and should be treated before washing with specific products which can be found in most household shops. In any case they should be treated immediately , later on they are difficult to remove.

Damp laundry should be hung out to dry as soon as possible after finishing the wash.

Knitwear and woollens should be dried flat, away from direct sunlight.

On the care labels in most clothes wash code symbols can be found which help you to select the adequate wash program. You are recommended to observe and follow these instructions.

On the following table you will find the meaning of the symbols.

Load the washing machine

Check the quantity you are going to wash for each cycle.

It is rather difficult to weigh all the pieces to be washed. We therefore advise you:

Cotton and linen: fill the drum without force.

Synthetic : fill two thirds of the drum.

Delicates and wool: fill half the drum.

Temperatures

You are advised to wash whites at a temperature of 60°C. If the laundry is not very soiled this will be enough and it is energy saving. If you want to wash whites in cold water, you must choose the program 2 and turn the temperature selector to the ✳ position.

Coloured fabrics are recommended to be washed at 40°C although they would stand 60°C.

When washing together dark and light colours the temperature should not exceed 40°C. Synthetic white and light coloured fabrics can be washed at 60°C, but here also 40° will do if they are not very soiled.

Dark synthetics, delicate fabrics and wool must be washed at a temperature lower than 40°C. If one of the labels is marked 30°C, select 30°C for the whole cycle.

TABLE OF SYMBOLS

The symbols on the labels are of great help for the wash, care and treatment.

STRONG WASH **DELICATE WASH**	Max. wash temp. 95°C	Max. wash temp. 60°C	Max. wash temp. 40°C	Max. wash temp. 30°C	Hand wash	Do not wash at all
BLEACHING	Bleach in cold water			Do not bleach		
IRONING	Hot iron max. 200°C	Hot iron max. 150°C		Hot iron max. 100°C		Do not iron
DRY CLEANING	Dry cleaning in all solvents	Dry cleaning in perchlorethylene, petrol, pure alcohol, R 111 y R 113		Dry cleaning in petrol, pure alcohol, R 111 y R 113		Do not dry clean
DRYING	Flat	On the line	On clothes hanger	High temperature Low temperature Tumble dry		Do not tumble dry

MAINTENANCE

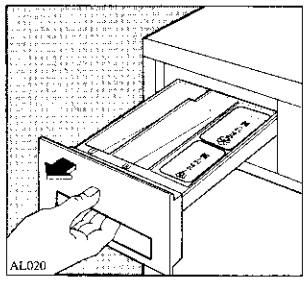
⚠ Before any maintenance or cleaning is carried out you must DISCONNECT the appliance from the electricity supply.

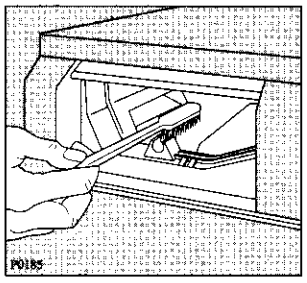
External cleaning

Clean the exterior cabinet of the appliance with neutral soap and water only, and then dry thoroughly.

Cleaning the detergent dispenser drawer and the recess

Pull the drawer to remove (slightly at first till the stop, then pull hard).
Flush well under a fast running tab.
Clean the recess with a small brush.
Replace the drawer.





The dangers of freezing

If the machine is exposed to temperatures below 0°C, certain precautions should be taken.

- Turn off the water tap and unscrew the inlet hose.
- Select a wash program and run for a few seconds.
- Position the end of the drain hose in a bowl on the floor.
- Run the draining program for a few seconds.

This way you make sure no water at all remains in the appliance which could freeze and thus damage it and its surroundings.
When you need to start the machine up again, make sure that the room temperature is above 0°C.

Cleaning the filters

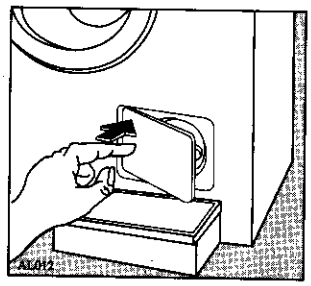
The drain filter

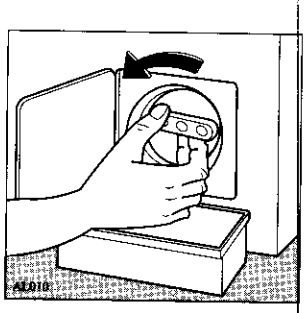
A clean filter is important for correct functioning of the washing machine, and it should therefore be cleaned regularly. Small objects left in the pockets and yarn is retained here.

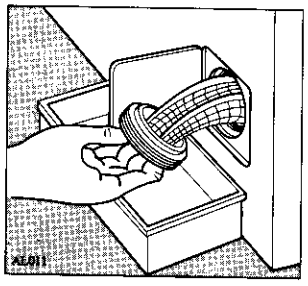
Unscrew the filter completely turning it counterclockwise.

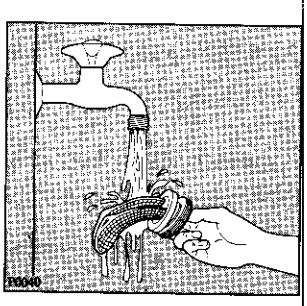
Remove the filter and clean it under a fast running tap.

Replace the filter turning now clockwise and tighten it.









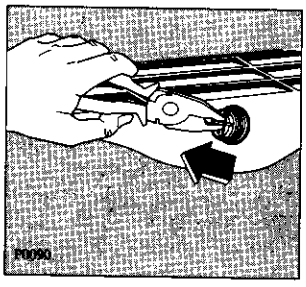
⚠ Attention

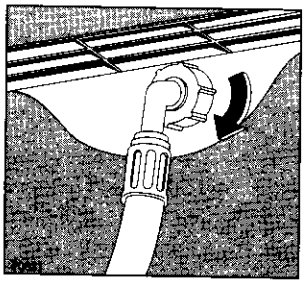
Never remove the unloading filter while the washing machine is operating. Wait, always, till the washing program is over and there is NO WATER IN THE BARREL.

When you replace the unloading filter in its place, make sure that it is correctly positioned and tight, in order to avoid water leakage or removal by children.

The water inlet hose filter

If it takes longer to fill up the washing machine it is time to check the water inlet hose filter which may be clogged. Turn off the water tap. Unscrew the fixing nut of the inlet hose. Remove the filter from the electrovalve and clean it with a hard bristle brush and replace it. Screw on the nut tightly.





SERVICING

Before contacting your local Service Force Centre, check your machine against the simple maintenance guidelines given below.

Problem	Possible solution
The appliance does not start up	• Check if the door is closed properly. • Check if the appliance is plugged in. • Check the fuse. • Check if the program dial is in the correct position.
The machine does not fill	• Check if the water tap is on. • Check if the tap is clogged. • Check if the inlet hose is bent. • Check if the water inlet filter is clogged.
The machine empties as it fills	• The end of the drain hose is too low (see page. 24)
The machine does not drain or spin	• Check if the drain hose is bent or squashed. • Check if the drain filter is clogged. • Check if the selected program includes spinning. • Check if the 'Rinse Hold' button is pressed.
The machine leaks or overflows	• Too much detergent. • Unsuitable detergent. • Check the joints for leaks. It is rather difficult to see the water running through a hose.
The machine vibrates or is noisy	• Check if all transport devices have been removed. • Check if the appliance touches the walls or furniture. • Check if the feet are adequately levelled and the nuts tight.

i RATING PLATE

If, after above checks, there is still a fault, call your Local Service Centre.
Please, make sure you give the purchasing date and the Model, Product number (Prod.No...) and Serial number (Ser. No...) of the appliance. *(These data will be found in the adhesive card behind the door above the gasket).*